

6. Performance Data

6.2 Heating Operation

■ Maximum Heating Capacity (Include defrost effect)

- ◆ AHUW126A4 [HU121MA U33] + AHNW16606A3 [HN1616 NK3]
- ◆ AHUW126A4 [HU121MA U33] + AHNW16606A4 [HN1616M NK5]
- ◆ AHUW128A4 [HU123MA U33] + AHNW16809A3 [HN1639 NK3]
- ◆ AHUW128A4 [HU123MA U33] + AHNW16806A4 [HN1636M NK5]

Outdoor Temperature [°C DB]	Water flow rate 34.50 LPM								Water flow rate 19.77 LPM			
	LWT 30 °C		LWT 35 °C		LWT 40 °C		LWT 45 °C		LWT 50 °C		LWT 55 °C	
	TC	COP	TC	COP	TC	COP	TC	COP	TC	COP	TC	COP
-25	11.25	2.34	10.95	2.21	10.22	2.05	9.85	1.88	-	-	-	-
-20	12.00	3.20	11.32	3.01	10.90	2.85	10.32	2.33	-	-	-	-
-15	12.00	3.60	11.66	3.27	11.45	2.98	11.16	2.48	11.13	2.09	-	-
-7	12.00	3.99	12.00	3.52	12.00	3.10	12.00	2.64	12.00	2.31	11.24	2.02
-4	12.00	4.06	12.00	3.56	12.00	3.13	12.00	2.70	12.00	2.37	11.98	2.12
2	12.00	4.54	12.00	3.85	12.00	3.34	12.00	2.87	12.00	2.50	12.00	2.31
7	12.00	6.20	12.00	4.55	12.00	4.59	12.00	3.55	12.00	3.11	12.00	2.74
10	12.00	7.24	12.00	5.41	12.00	4.41	12.00	3.95	12.00	3.47	12.00	2.92
15	12.00	9.58	12.00	7.91	12.00	5.74	12.00	4.89	12.00	4.57	12.00	4.12
18	12.00	10.48	12.00	8.41	12.00	6.90	12.00	6.05	12.00	5.66	12.00	4.58
20	12.00	11.79	12.00	9.05	12.00	7.81	12.00	6.65	12.00	6.10	12.00	4.92
35	12.00	14.16	12.00	12.00	12.00	10.55	12.00	9.13	12.00	8.44	12.00	7.44

- ◆ AHUW146A4 [HU141MA U33] + AHNW16606A3 [HN1616 NK3]
- ◆ AHUW146A4 [HU141MA U33] + AHNW16606A4 [HN1616M NK5]
- ◆ AHUW148A4 [HU143MA U33] + AHNW16809A3 [HN1639 NK3]
- ◆ AHUW148A4 [HU143MA U33] + AHNW16806A4 [HN1636M NK5]

Outdoor Temperature [°C DB]	Water flow rate 40.25 LPM								Water flow rate 20.66 LPM			
	LWT 30 °C		LWT 35 °C		LWT 40 °C		LWT 45 °C		LWT 50 °C		LWT 55 °C	
	TC	COP	TC	COP	TC	COP	TC	COP	TC	COP	TC	COP
-25	11.25	2.34	11.17	2.02	10.79	1.91	10.32	1.78	-	-	-	-
-20	12.11	3.14	11.98	2.71	11.54	2.45	10.90	2.11	-	-	-	-
-15	13.06	3.45	12.99	3.01	12.77	3.43	12.27	2.71	12.42	2.05	-	-
-7	14.00	3.75	14.00	3.30	14.00	2.93	13.64	2.68	13.09	2.30	11.67	1.98
-4	14.00	3.86	14.00	3.36	14.00	2.96	14.00	2.63	14.00	2.29	12.67	1.97
2	14.00	4.18	14.00	3.78	14.00	3.12	14.00	2.74	14.00	2.41	13.98	2.13
7	14.00	5.94	14.00	4.41	14.00	4.44	14.00	3.46	14.00	3.01	14.00	2.64
10	14.00	6.59	14.00	5.42	14.00	4.48	14.00	3.98	14.00	3.47	14.00	2.89
15	14.00	7.71	14.00	6.37	14.00	5.73	14.00	4.88	14.00	4.51	14.00	3.68
18	14.00	9.16	14.00	7.60	14.00	6.20	14.00	5.36	14.00	4.99	14.00	4.14
20	14.00	9.53	14.00	7.92	14.00	6.45	14.00	5.44	14.00	5.16	14.00	4.37
35	14.00	13.17	14.00	11.16	14.00	9.65	14.00	8.21	14.00	7.48	14.00	5.91

Note

1. DB : Dry bulb temperature(°C), LWT : Leaving water temperature(°C), LPM : Liter per minute (ℓ/min)
2. TC : Total capacity(kW), EER: Energy efficiency ratio(kW/kW), COP : Coefficient of performance (kW/kW)
3. Direct interpolation is permissible. Do not extrapolate.
4. Measuring procedure follows EN14511.
 - Rated values are based on standard conditions, and it can be found on specifications.
 - Above table values may not be matched according to installation condition. Except for rated value, the performance is not guaranteed.
 - In accordance with the test standard(or nations), the results may vary.
5. The Shaded areas are not guaranteed continuous operation.

6. Performance Data

- ◆ AHUW166A4 [HU161MA U33] + AHNW16606A3 [HN1616 NK3]
- ◆ AHUW166A4 [HU161MA U33] + AHNW16606A4 [HN1616M NK5]
- ◆ AHUW168A4 [HU163MA U33] + AHNW16809A3 [HN1639 NK3]
- ◆ AHUW168A4 [HU163MA U33] + AHNW16806A4 [HN1636M NK5]

Outdoor Temperature [°C DB]	Water flow rate 46.00 LPM								Water flow rate 21.60 LPM			
	LWT 30 °C		LWT 35 °C		LWT 40 °C		LWT 45 °C		LWT 50 °C		LWT 55 °C	
	TC	COP	TC	COP	TC	COP	TC	COP	TC	COP	TC	COP
-25	12.27	2.03	12.01	1.88	11.48	1.81	10.86	1.68	-	-	-	-
-20	13.11	2.91	12.90	2.41	12.62	2.30	12.30	1.87	-	-	-	-
-15	13.73	3.15	13.70	2.72	13.46	2.60	13.16	2.30	12.42	2.05	-	-
-7	14.36	3.38	14.50	3.02	14.30	2.85	14.01	2.40	13.40	2.10	12.50	1.89
-4	15.20	3.54	14.80	3.10	14.50	2.90	14.25	2.45	14.00	2.29	13.50	1.87
2	16.00	3.87	16.00	3.38	16.00	2.99	16.00	2.64	16.00	2.35	14.51	2.09
7	16.00	5.79	16.00	4.26	16.00	4.29	16.00	3.32	16.00	2.91	16.00	2.56
10	16.00	6.33	16.00	5.20	16.00	4.24	16.00	3.79	16.00	3.34	16.00	2.80
15	16.00	7.29	16.00	6.02	16.00	4.92	16.00	4.20	16.00	3.92	16.00	3.24
18	16.00	7.90	16.00	6.55	16.00	5.37	16.00	4.71	16.00	4.41	16.00	3.57
20	16.00	8.32	16.00	6.92	16.00	5.97	16.00	5.09	16.00	4.66	16.00	3.76
35	16.00	11.90	16.00	10.09	16.00	8.87	16.00	7.67	16.00	7.10	16.00	5.68

Note

1. DB : Dry bulb temperature(°C), LWT : Leaving water temperature(°C), LPM : Liter per minute (ℓ/min)
2. TC : Total capacity(kW), EER: Energy efficiency ratio(kW/kW), COP : Coefficient of performance (kW/kW)
3. Direct interpolation is permissible. Do not extrapolate.
4. Measuring procedure follows EN14511.
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